Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

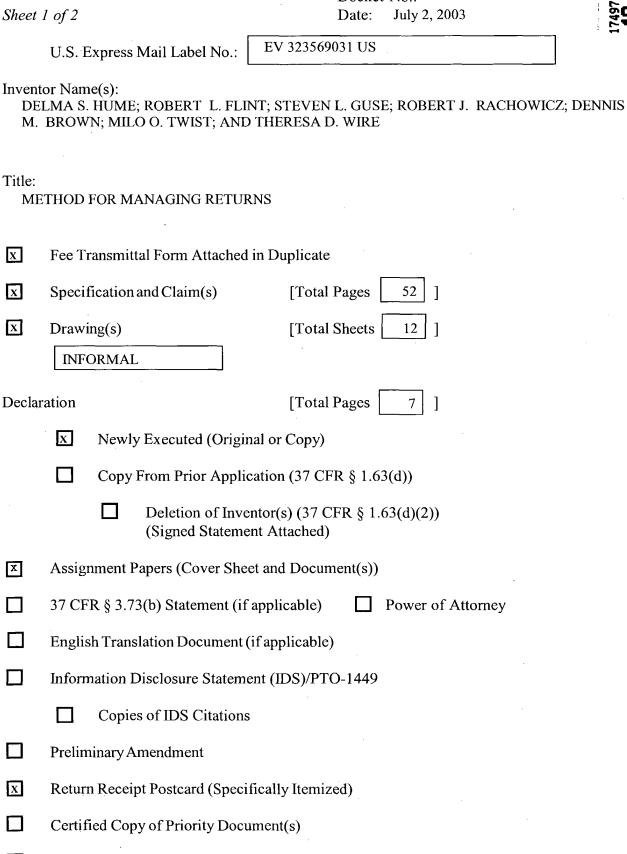
ATTN: BOX PATENT APPLICATION

UTILITY PATENT APPLICATION TRANSMITTAL

Docket No.: 02-337

Other

July 2, 2003





Sheet 2 of 2

If a Co	ontinuing Application									
	Continuation		Divisional		Continuation-In-Part (CIP)	)				
of pric	or Application No.:				;					
Exam	Examiner: ; and									
Group	p/Art Unit:									
	Cancel Claims:									
For Continuations or Divisional Applications only: The entire disclosure of the prior application, from which an oath or declaration is supplied, as set forth above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.										
Corre	espondence Address:									
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	City:		State:		Zip Code:					
	Country:									
***************										
	orney/Agent: William nature: Caterpillar Inc	B. Hemi	ng /		Registration No.: 29,390  Date: 2 July 2003					

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

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EEE TO A NOMITTAL		Complete if Known							
FEE TRANSMITTAL	<b>-</b> [	<ul> <li>Application Number</li> </ul>			(Unassigned)				
for EV 2002		Filing Date			(Herewith)				
for FY 2003		First Named Inventor		nventor	Delma S. Hume ET AL.				
Effective 01/01/2003. Patent fees are subject to annual revision.	—┟	Examiner Name			(Unassigned)				
Applicant claims small entity status. See 37 CFR 1.27	Art Unit			(Unassigned)					
TOTAL AMOUNT OF PAYMENT (\$) 1,308	Attorney Docket No.			et No.	02-337				
	==	<del></del>							
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)								
Check Credit Card Money Other None Order		3. ADDITIONAL FEES  Large Entity  Small Entity							
Deposit Account	Large Fee	Fee	Small Fee	Fee					
Deposit	Code	(\$)	Code	(\$)	Fee Description Fee Paid				
Account 03-1129 Number	1051	130	2051	65 S	Surcharge - late filing fee or oath				
Deposit	1052	50	2052	25 S	Surcharge - late provisional filing fee or				
Account	1053			c	cover sheet				
Name The Commissioner is authorized to: (check all that apply)	1812	130 2,520	1053		Non-English specification  For filing a regeust for ex parte reexamination				
X Charge fee(s) indicated below X Credit any overpayments				-,	Requesting publication of SIR prior to				
Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920 F	Examiner action				
	1805	1,840*	1805	1,840* F	Requesting publication of SIR after				
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1251	110	2251	55 E	Extension for reply within first month				
FEE CALCULATION	1252	410	2252	205 E	Extension for reply within second month				
1. BASIC FILING FEE	1253	930	2253	465 E	Extension for reply within third month				
Large Entity Small Entity	1254	1,450	2254	725 E	Extension for reply within fourth month				
Fee Fee Fee Fee Description Fee Paid	1255	1,970	2255	985 E	Extension for reply within fifth month				
Code         (\$)         Code         (\$)           1001         750         2001         375         Utility filing fee         750	1401	320	2401	160 N	Notice of Appeal				
1002 330 2002 165 Design filing fee	1402	320	2402		Filing a brief in support of an appeal				
1003 520 2003 260 Plant filing fee	1403	280	2403	140 R	Request for oral hearing				
1004 750 2004 375 Reissue filing fee	1451	1,510	1451		Petition to institute a public use proceeding				
1005 160 2005 80 Provisional filing fee	1452	110	2452		Petition to revive - unavoidable				
<b>SUBTOTAL (1)</b> (\$) 750	1453	1,300	2453		Petition to revive - unintentional				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501		Jtility issue fee (or reissue)				
Fee from Extra Claims below Fee Paid	1502	470			Design issue fee				
Total Claims 23 -20** = 3 x 18 = 54	1503	630	2503		Plant issue fee				
Independent 9 - 3** = 6 X 84 = 504	1460 1807	130 50	1460 1807		Petitions to the Commisioner				
Claims Multiple Dependent =	1806	180	1806		Processing fee under 37 CFR 1.17(q) Submission of Information Disclosure Stmt				
Large Entity Small Entity					Recording each patent assignment per				
Fee Fee Fee Fee <u>Fee Description</u> Code (\$)	8021	40	8021	40 p	property (times number of properties)				
1202 18 2002 9 Claims in excess of 20	1809	750	2809		Filing a submission after final rejection (37 CFR 1.129(a))				
1201 84 2001 42 Independent claims in excess of 3	1810	750	2810	375 F	For each additional invention to be				
1203 280 2203 140 Multiple dependent claim, if not paid				е	examined (37 CFR 1.129(b))				
1204 84 2204 42 **Reissue independent claims	1801	750	2801		Request for Continued Examination (RCE)				
over original patent 1205 18 2205 9 ** Reissue claims in excess of 20	1802	900	1802		Request for expedited examination of a design application				
and over original patent	· ~:			Ü	a dosign approach				
SUBTOTAL (2) (\$) 558		Other fee (specify)							
**or number previously paid, if greater; For Reissues, see above	Rea	Reduced by Basic Filing Fee Paid  SUBTOTAL (3) (\$) 0							
SUBMITTED BY (Complete (if applicable) )									
Name (Print/Type) William B. Heming		Registration No. (Attorney/Agent) 29,390 Telephone (309) 675-4452							
Signature   Date   07/02/2003									
07/02/2003									

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to provess) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.